ENVIRONMENTAL CHEMISTS

Date of Report: 03/28/03 Date Received: 03/20/03

Project: Metro Self Monitor, PO# M69680, F&BI 303196

Date Extracted: 03/25/03 Date Analyzed: 03/25/03

RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Results Reported as mg/L (ppm)

Sample ID Laboratory ID	<u>Chromium</u> <u>Copper</u> <u>Nickel</u> Z	<u>Zinc</u>
M69680 303196-01	0.74 0.57 0.46	0.07
Method Blanl	k <0.05 <0.05 <	0.05

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Date of Report: 03/28/03 Date Received: 03/20/03

Project: Metro Self Monitor, PO# M69680, F&BI 303196

QUALITY ASSURANCE RESULTS FROM TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 303196-01 (Duplicate)

				Relative	
	Reporti	ng Sampl	e Duplica	te Percent	Acceptance
Analyte	Units	Resul	t Resul	t Difference	Criteria
Chromium	mg/L (pp	m) 0.74	0.76	3	0-20
Copper	mg/L (pp	(m) 0.57	0.57	0	0-20
Nickel	mg/L (pp	m) 0.46	0.47	2	0-20
Zinc	mg/L (pp	m) 0.07	< 0.05	nm	0-20

Laboratory Code: 303196-01 (Matrix Spike)

	Reporting	Spike	Sample	% Recov	ery Acceptance
Analyte	Units	Level	Result	MS	Criteria
Chromium	mg/L (ppm)	2	0.74	90	80-120
Copper	mg/L (ppm)	2	0.57	95	80-120
Nickel	mg/L (ppm)	4	0.46	87	80-120
Zinc	mg/L (ppm)	2	0.07	85	80-120

Laboratory Code: Laboratory Control Sample

	Reporting	Spike	% Recov	ery % Reco	very Acceptan	ce RPD	3/3/
Analyte	Units	Level	LCS	LCS	D <u>Criteria</u>	(Limit	20)
Chromium	mg/L (ppm)	2	93	91	80-120	2	
Copper	mg/L (ppm)	2	94	92	80-120	2	
Nickel	mg/L (ppm)	4	92	92	80-120	0	
Zinc	mg/L (ppm)	2	96	93	80-120	3	

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

303196	SAMPLE CHAIN OF CUSTODY	CW	1 03/20103 ALI
Send Report To G. Hondon Company Alaskan Coppen works Address 628 S. Handard T	PROJECT NAME/NO. METRO SECS monitor	PO# M69680	Page # of TURNAROUND TIME Standard (2 Weeks) RUSH Rush charges authorized by:
City, State, ZIP SEATCE WA Phone #26-382-8379 Fax #26-382-4309	REMARKS	ANALYSES REQU	SAMPLE DISPOSAL Dispose after 30 days Return samples Will call with instructions

										ANA	LYS	ES R	EQU	EST	ED			
Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	CK CU, M, Z.					1	Votes .
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ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

March 28, 2003

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on March 20, 2003 from the Metro Self Monitor, PO# M69680, F&BI 303196 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

harlene Morrow

Charlene Morrow

Chemist

Enclosures ACU0328R.DOC

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

March 28, 2003

DUPLICATE COPY

INVOICE # 03ACU0328-1

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M69680, F&BI 303196 - Results of testing requested by Gerry Thompson for material submitted on March 20, 2003.

FEDERAL TAX ID #(b) (6)